

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102819\
 Data File : VX013239.D
 Acq On : 28 Oct 2019 10:40
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/30/2019 12:07:20 PM

Quant Time: Oct 29 14:53:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102419W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 24 03:56:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	75494	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	106969	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	111060	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	77888	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	78320	49.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.20%	
35) Dibromofluoromethane	5.48	113	60955	51.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.20%	
50) Toluene-d8	8.71	98	219612	49.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.36%	
62) 4-Bromofluorobenzene	11.13	95	89543	51.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	69684	45.745	ug/l	96
3) Chloromethane	1.32	50	56011	44.753	ug/l	98
4) Vinyl Chloride	1.40	62	59149	43.146	ug/l	98
5) Bromomethane	1.63	94	32083	44.153	ug/l	94
6) Chloroethane	1.71	64	38145	49.705	ug/l	100
7) Trichlorofluoromethane	1.92	101	108849	50.315	ug/l	98
8) Diethyl Ether	2.18	74	36365	49.013	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	64571	48.197	ug/l	97
10) Methyl Iodide	2.50	142	74231	44.406	ug/l	99
11) Tert butyl alcohol	3.03	59	86661	253.001	ug/l	99
12) 1,1-Dichloroethene	2.36	96	59024	45.896	ug/l	97
13) Acrolein	2.28	56	40526	218.755	ug/l	98
14) Allyl chloride	2.72	41	92052	45.466	ug/l	96
15) Acrylonitrile	3.13	53	164441	236.271	ug/l	99
16) Acetone	2.43	43	215443	289.614	ug/l	99
17) Carbon Disulfide	2.56	76	150914	43.649	ug/l	99
18) Methyl Acetate	2.76	43	78517	48.370	ug/l	97
19) Methyl tert-butyl Ether	3.18	73	224903	49.661	ug/l	98
20) Methylene Chloride	2.84	84	68723	49.405	ug/l	97
21) trans-1,2-Dichloroethene	3.15	96	64564	48.267	ug/l	92
22) Diisopropyl ether	3.84	45	189424	47.849	ug/l	92
23) Vinyl Acetate	3.80	43	837381	248.867	ug/l	99
24) 1,1-Dichloroethane	3.68	63	114242	46.917	ug/l	99
25) 2-Butanone	4.65	43	248867	249.455	ug/l	99
26) 2,2-Dichloropropane	4.57	77	110413	49.064	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	74656	47.401	ug/l	99
28) Bromochloromethane	5.00	49	30561	48.674	ug/l	97
29) Tetrahydrofuran	5.11	42	136145	226.402	ug/l	99
30) Chloroform	5.19	83	127519	49.187	ug/l	97
31) Cyclohexane	5.56	56	95884	46.955	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	116511	50.544	ug/l	99
36) 1,1-Dichloropropene	5.79	75	91303	50.992	ug/l	99
37) Ethyl Acetate	4.81	43	86528	48.541	ug/l	98
38) Carbon Tetrachloride	5.77	117	102738	51.962	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	109178	47.676	ug/l	97
40) Benzene	6.13	78	258853	48.178	ug/l	98
41) Methacrylonitrile	5.02	41	48111	50.342	ug/l	97
42) 1,2-Dichloroethane	6.18	62	108068	53.346	ug/l	100
43) Isopropyl Acetate	6.43	43	147550	49.854	ug/l	99
44) Trichloroethene	7.20	130	74530	48.875	ug/l	95
45) 1,2-Dichloropropane	7.50	63	65921	48.986	ug/l	97
46) Dibromomethane	7.65	93	49214	50.760	ug/l	98
47) Bromodichloromethane	7.89	83	102929	54.476	ug/l	98
48) Methyl methacrylate	7.76	41	72764	49.743	ug/l	98
49) 1,4-Dioxane	7.73	88	37354	1003.336	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	444332	246.308	ug/l	99
52) Toluene	8.78	92	172301	48.389	ug/l	100
53) t-1,3-Dichloropropene	9.03	75	112783	56.170	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	117310	53.408	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	71312	50.656	ug/l	98
56) Ethyl methacrylate	9.17	69	111417	52.585	ug/l	99
57) 1,3-Dichloropropane	9.37	76	118563	49.914	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	224112	271.075	ug/l	100
59) 2-Hexanone	9.48	43	356688	256.687	ug/l	98
60) Dibromochloromethane	9.57	129	83622	56.688	ug/l	99
61) 1,2-Dibromoethane	9.67	107	76911	51.462	ug/l	98
64) Tetrachloroethene	9.33	164	74182	54.300	ug/l	98
65) Chlorobenzene	10.13	112	189249	48.679	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	74154	51.633	ug/l	99
67) Ethyl Benzene	10.25	91	340122	48.868	ug/l	97
68) m/p-Xylenes	10.35	106	254832	96.884	ug/l	98
69) o-Xylene	10.70	106	125172	49.609	ug/l	99
70) Styrene	10.71	104	218155	50.212	ug/l	99
71) Bromoform	10.85	173	61942	59.027	ug/l	98
73) Isopropylbenzene	11.01	105	344645	48.727	ug/l	100
74) N-amyl acetate	10.89	43	129984	50.071	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	105562	49.153	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	106134m	56.537	ug/l	
77) Bromobenzene	11.25	156	82275	48.534	ug/l	100
78) n-propylbenzene	11.35	91	383935	49.972	ug/l	100
79) 2-Chlorotoluene	11.42	91	230895	47.565	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	274916	46.763	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	37809	55.346	ug/l	97
82) 4-Chlorotoluene	11.51	91	268053	48.735	ug/l	95
83) tert-Butylbenzene	11.76	119	272599	46.867	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	287372	48.461	ug/l	98
85) sec-Butylbenzene	11.94	105	308910	46.670	ug/l	98
86) p-Isopropyltoluene	12.06	119	292003	46.958	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	144483	47.178	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	144609	46.378	ug/l	97
89) n-Butylbenzene	12.39	91	258278	50.773	ug/l	100
90) Hexachloroethane	12.59	117	53469	51.345	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	147235	48.891	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	28178	52.762	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	95897	50.571	ug/l	94
94) Hexachlorobutadiene	13.78	225	47381	48.302	ug/l	94
95) Naphthalene	13.83	128	303627	52.170	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	97825	52.205	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

